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Dielectric Characteristics of Compressed Air in an Air-Blast Circuit Breaker, by E. M. Tseirov.

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Mar 62

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Rotkop, L. L.
PARAMÈTRES ÉNERGÉTIQUES D'UN MOTEUR ASYNCHRONE DANS UN SYSTÈME DE RÉGULATION DE LA VITESSE PAR IMPULSIONS (Energeticheskie Pokazateli Asinkhronnogo Dvigatelya v Sisteme Impul'snogo Regulirovaniya Skorosti) (Induction Motor Power Rates in the Impulse Speed Control System). 18p (foreign text included) 7refs. CNRS-X 624.
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Trans. in French of *Elektrichestvo (USSR) 1958, no. 11, p. 38-42.
Trans. in Spanish is available from OTS, ETC, or CID $0.80 as TT-62-29283, CID: 62-283, 18p., and in English from PP $14.00 in Electric Technology, USSR, v. 4.

DESCRIPTORS: Electric motors, Velocity, Automation, *Induction motors, Control systems, *Speed regulators

(Engineering--Electrical, TT, v. 11, no. 11)

TT-62-29107

I. Rotkop, L. L.
II. CNRS-X 624
III. Centre National de la Recherche Scientifique, Paris

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A-54-/9158

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Calculation of Losses in the Sliding Contacts of Electric Machinery, by P. S. Livshits, 9 pp.

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Popkov, V. I. and Bogdanova, N. B.
METHOD FOR ESTIMATING ANNUAL CORONA LOSSES [1961] [18]p. 8 refs. C. E. Trans. 1721; [DSIR LLU] M.3046.
Order from OTS or SLA $1.60 61-27563

Trans. of #Elektrichestvo (USSR) 1959, no. 1, p. 9-16.

DESCRIPTORS: *Electrical corona, Test methods, *Transmission lines, Meteorology.

(Engineering--Electrical, TT, v. 6, no. 9)

61-27563

I. Popkov, V. I.
II. Bogdanova, N. B.
III. CE Trans-1721
IV. DSIR LLU M.3046
V. Central Electricity Generating Board (Gt. Brit.

165594

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Methods of Estimating Annual Coronal Losses, by V. I. Popkov, N. B. Bogdanova.

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Sci - Phys

Apr 62

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Junction-Type Silicon Diodes, by G. A. Zolikman, et al. UNCL

RUSSIAN, per, Elektrichestvo, No 1, 1959, pp 64-68.

DSIR LLU RTS 1171

Sci - Electron
Oct 59

12s. 6d. anywhere

99,461

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A High-Power Germanium Transistor, by A. V. Krasilov. USSR

RUSSIAN, per, Elektrichestvo, No 1, 1959, pp 72-75.

SLA 59-2272/
DSIR LLD EMS A172
(10c. Cd.)

Sol - Electricity
Nov 59

100,764

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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Converting Existing Power Transmission Lines to Operate At Higher Voltage, by V. V. Burgsdorf, N. N. Belyakov.

RUSSIAN, par, Elektrichestvo, No 2, Moscow, 1959, pp. 1-5.

FTD/Transportation Communications, and Electric Power in the USSR, No 19.

94, 307

USSR
Econ
Aug 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Flashover Voltages Across Wide Air Gaps Approximating to Overhead Line and Substpacings, by N. N. Tikhodeyev, A. N. Tushnov.

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 6-10.

MLI M.4011
61-28184

Sci Electricity

186.593

Feb 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Investitigation of Self-Excitation in D.C. Traction Motors, by V. E. Skobelev.

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 30-35.

DSIR LLU M.1673
(loan)

Sci - Electricity, Engr

128,887

Oct 60

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

A New Method of Determining the Moisture of the Insulation of Transformer Windings, by B. A. Alekseyev.

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 58-63.

CSIRO

Sci - Electron
Jul 62

207,600

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Investigation on Impulse Breakdown of Some Polymers and Mica, by M. A. Mel'nikov. VEST.

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 64-66.

DSIR LLL M.930

(loan)

111,123

Sci - Electron

Mar 60

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Magnetodielectrics, by L. I. Rabkin, 14 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 78-84.

AFM: MCL-178/1

Sci - Electronics
Dec 60

134,559

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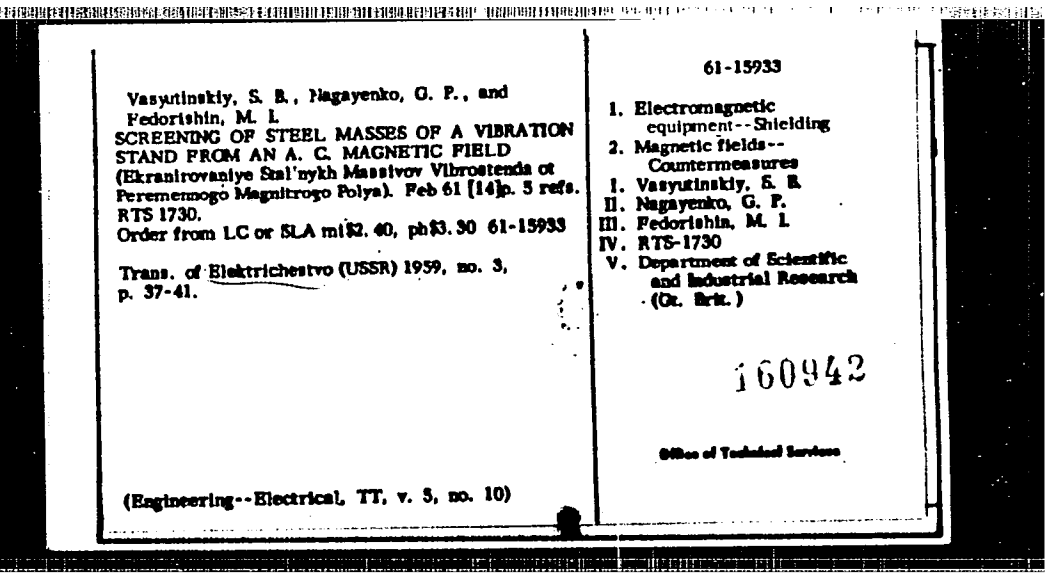

Vasyutinskiy, S. B., Nagayenko, G. P., and Fedorishin, M. L.
SCREENING OF STEEL MASSES OF A VIBRATION STAND FROM AN A. C. MAGNETIC FIELD (Ekranirovaniye Stal'nykh Massivov Vibrostenda ot Peremennogo Magnitnogo Polya). Feb 61 [14]p. 5 refs. RTS 1730.
Order from LC or SLA mi$2.40, ph$3.90 61-15933

Trans. of Elektrichestvo (USSR) 1959, no. 3, p. 37-41.

(Engineering--Electrical, TT, v. 5, no. 10)

61-15933

1. Electromagnetic equipment--Shielding
2. Magnetic fields--Countermeasures
I. Vasyutinskiy, S. B.
II. Nagayenko, G. P.
III. Fedorishin, M. L.
IV. RTS-1730
V. Department of Scientific and Industrial Research (Gt. Brit.)

160942

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(DC-3696)

Stepan Artem'yevich Burguchev, by V. N. Andrianov, I. A. Budzko, N. A. Sazonov, P. F. Skvortsov, 2 pp

RUSSIAN, per, Elektrichestvo, No 3, 1959, p 96.

JPRS 3846

USSR
Biog
Sep 60

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New Stage of Electrification in USSR, by V. I. Veyts, V. I. Denisov, (transpor, commun and elec power in the USSR -- 18).

per,
RUSSIAN, Elektrichestvo, No 4, Moscow, 1959, pp 1-8.

USSR
Econ - trans, comm, electric power

Jul 59

92, 944

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Currents and Voltages During Single-Phase Short-Circuit in Networks With Auto-Transformers, by B. I. Rozenberg.

RUSSIAN, per, Elektrichestvo, No 4, 1959, pp 31-37.

DSIR LLU M.1676
(loan)

128,888

Sci - Electricity

Oct 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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Calculation of Transient Phenomena in Complex Three-Phase Circuits Containing Rotating Machines, by O. V. Memontov.

RUSSIAN, per, Elektrichestvo, No 5, 1959, pp 5-9.

DSIR LLU M.1799
(loan)

Sci - Electricity

128,893

Oct 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Designing Magnetic Amplifiers which Work into an rl Load Through Rectifiers, by A. G. Zdrok.

RUSSIAN, per, Elektrichestvo, No 5, May 1959, pp 25-31.

Internatl Physical Index
Automation Express
Vol II, No 1

Sci

Aug 59

93, 846

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Kossov, O. A.
PERFORMANCE OF THE SEMICONDUCTOR SWITCH UNDER VARIOUS LOAD CONDITIONS (Rabota Poluprovodnikovogo Klyucha pri Razlichnom Kharaktere Nagruzki). Feb 61 [19]p. 9 refs.
RTS 1635.
Order from LC or SI A mi$2.40, ph$3.30 61-15730

Trans. of Elektrichestvo (USSR) 1959, no. 5, p. 60-65.
Also included in translation available from PP $14.00

(Engineering--Electrical, TT, v. 5, no. 10)

61-15730

1. Electric switches--Performance
I. Kossov, O. A.
II. RTS-1635
III. Department of Scientific and Industrial Research (Gt. Brit.)

160949

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Overvoltages After Clearing Phase-To-Phase Faults, by F. A. Likhachev.

RUSSIAN, per, Elektrichestvo, No 5, 1959, pp 72-77.

DSIR LIU M.1798
(loan)

Sci - Electricity

Oct 60

130,754

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

Equivalent Circuits for Testing Circuit-Breakers on Disconnection of Unloaded Lines, by N. M. Chernyshev.

RUSSIAN, per, Elektrichestvo, No 6, 1959, pp 40-47.

DSIR LIB M.1801
(loan)

Sci - Electricity

Oct 60

130,752

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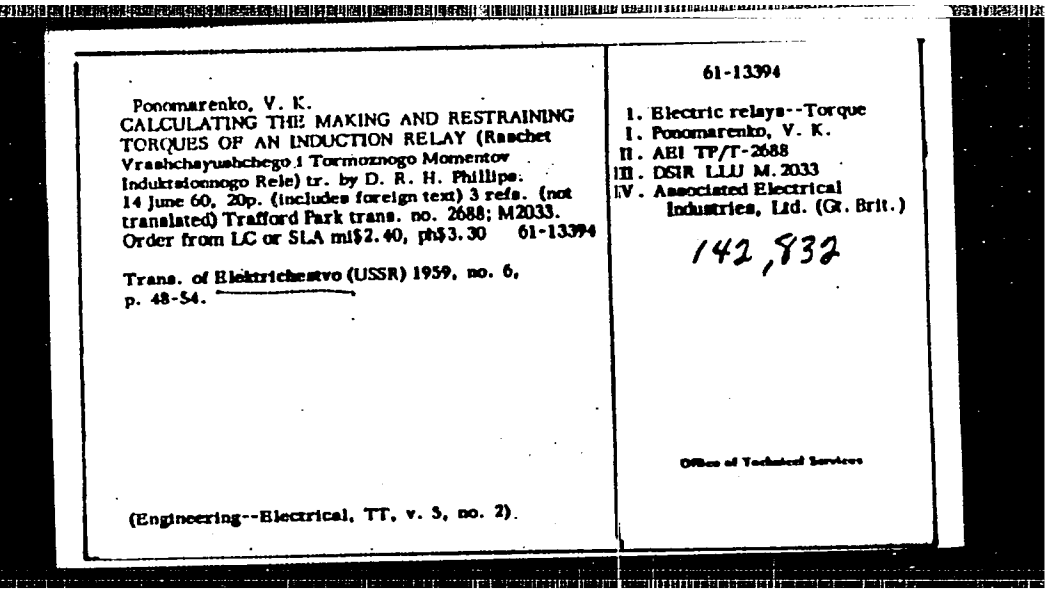

Ponomarenko, V. K.
CALCULATING THE MAKING AND RESTRAINING TORQUES OF AN INDUCTION RELAY (Raschet Vrashchayushchego i Tormoznogo Momentov Indukstionnogo Rele) tr. by D. R. H. Phillips. 14 June 60, 20p. (includes foreign text) 3 refs. (not translated) Trafford Park trans. no. 2688; M2033. Order from LC or SLA mi$2.40, ph$3.30 61-13394

Trans. of Elektrichestvo (USSR) 1959, no. 6, p. 48-54.

(Engineering--Electrical, TT, v. 5, no. 2).

61-13394

1. Electric relays--Torque
I. Ponomarenko, V. K.
II. ABI TP/T-2688
III. DSIR LLU M.2033
IV. Associated Electrical Industries, Ltd. (Gr. Brit.)

142,832

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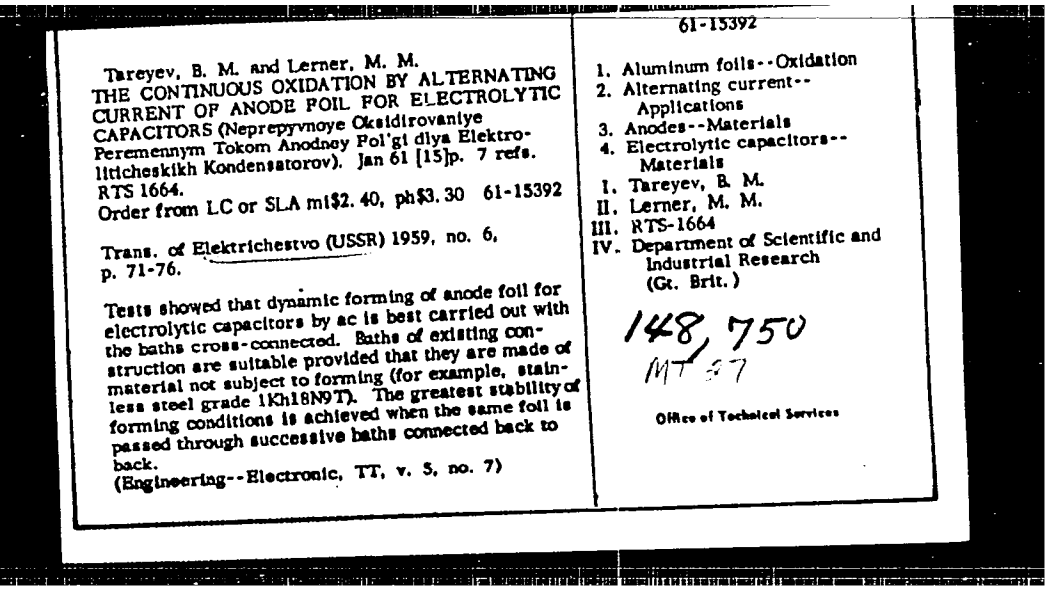

Tareyev, B. M. and Lerner, M. M.
THE CONTINUOUS OXIDATION BY ALTERNATING CURRENT OF ANODE FOIL FOR ELECTROLYTIC CAPACITORS (Neprepyvnoye Oksidirovaniye Peremennym Tokom Anodnoy Pol'gi dlya Elektroliticheskikh Kondensatorov). Jan 61 [15]p. 7 refs. RTS 1664.
Order from LC or SLA mi$2.40, ph$3.30 61-15392

Trans. of Elektrichestvo (USSR) 1959, no. 6, p. 71-76.

Tests showed that dynamic forming of anode foil for electrolytic capacitors by ac is best carried out with the baths cross-connected. Baths of existing construction are suitable provided that they are made of material not subject to forming (for example, stainless steel grade 1Kh18N9T). The greatest stability of forming conditions is achieved when the same foil is passed through successive baths connected back to back.
(Engineering--Electronic, TT, v. 5, no. 7)

61-15392

1. Aluminum foils--Oxidation
2. Alternating current--Applications
3. Anodes--Materials
4. Electrolytic capacitors--Materials
I. Tareyev, B. M.
II. Lerner, M. M.
III. RTS-1664
IV. Department of Scientific and Industrial Research (Gt. Brit.)

148,750
MT 57

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A Circuit for Obtaining Voltage (Surge) Waves of Special Form, by A. A. Akopyan. USCL

RUSSIAN, per, Elektrichestvo, No 6, 1959, pp 76, 77.

DSIR LLN M.1328

(loan)

Sci - Electron
Apr 60

112,671

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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The External Reactance of Steel Wires and Bus-Bars, by V. Savyuk.

RUSSIAN, per, Elektrichestvo, No 6, 1959, pp 78-80.

SLA 60-23177
DSIR LLU M.1564
(loan)

Sci - Electricity

Oct 60

128,754

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Electric Technology USSR, 1960, Vol III.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 8-13, 19-21, 55-57, 81-83.

PP

Sci

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Vol IV, No 6

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Commutation in Multistage Direct Field Rotary Amplifiers, by B. F. Tokarev.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 13-18.

HLL M. 3353

Sci - Electron

192,322

Apr 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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Designing Reactors With a Steel Magnet Circuit and Air Gaps, by E. A. Man'kin.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 35-41.

NLL M.3461

193,800

Sci. - Engrg

Apr 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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Some Questions on the Methods of Testing High-Voltage Insulation, by V. L. Ivanov, et al.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 61-64.

DSIR LLU M.1996
(loan)

Sci - Electricity

128,891

Oct 60

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Main Characteristics of a High-Voltage Cable,
by S. M. Bragin.

RUSSIAN, per, Elektrichestvo, No 7, 1959,
pp 65-70.

DSIR LLU M.1738
(loan)

Sci - Electricity

Oct 60

130,757

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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Method of Measuring the Restoration of Electrical Stability in an Air-Quenched Cut-Off Switch, by V. Gusa, Ya. Tsigelka.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 70-72.

DSIR LLU RTS 1498

Sci - Electricity

Oct 60

128,731

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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Dumitrescu, A., Elefterescu, M., and Kovaci, S. METHODS OF FORECASTING ENERGY CONSUMPTION. [1960] [9]p. 3 refs. C. E. Trans. 1659; M2322.
Order from LC or SLA mi$1.80, ph$1.80 61-15464

Trans. of Elektrichestvo (USSR) 1959, no. 8, p. 26-29.

An analytical method is proposed for the determination of the dynamics of overall heat and electrical energy consumption by summation of the energy consumptions in the different branches of the national economy, the latter being determined on the basis of the dynamics of the specific, energy consumptions and the dynamics of production in the given branch of industry.

(Physics--Electricity, TT, v. 5, no. 11)

61-15464

I. Electrical energy--Consumption
I. Dumitrescu, A.
II. Elefterescu, M.
III. Kovaci, S.
IV. CE Trans-1659
V. DSIR LLU M. 2322
VI. Central Electricity Generating Board (Gt. Brit.)

160954

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An Analytical Method for Calculating the External Rating of A.C. Generators Energized by Permanent Magnets, by F. F. Galteev, 16 pp

RUSSIAN, per. Elektrichestvo, No 8, 1959, pp 30-35.

OTS TT-63-21321
RAE 936
PP 167,858

Sci - Electron

Sep 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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Electric Technology USSR, 1960, Vol III.

Russian, per, Elektrichestvo, No 8, 1959, pp 45-51, 65-69, 78-80.

PP

Sci

Apr 62

Vol IV, No 6

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Estimate of the Operational (Wear and Tear) Reliability of Electromagnetic Mechanisms, by Ya. A. Rips,

RUSSIAN, per, Elektrichestvo, No 8, 1959, pp 57-62.

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~~Oct 60~~

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Geometrical Dimensions and Dielectric Strength of the Insulation of Segmental Conductors, by V. P. Shevchenko-Vinogradov.

RUSSIAN, per, Elektrichestvo, No 8, 1959, pp 69-72.

DSIR LLU M.1790
(loan)

Sci - Electron

Oct 60

130,753

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Kachanova, N. A. and Umed'yan, V. V.
PROGRAMMING FOR DIGITAL COMPUTORS, OF CALCULATIONS FOR ECONOMIC LOAD DISTRIBUTION IN A POWER SYSTEM. [1960] [10]p. 5 refs.
C. E. Trans. 1645; M2317.
Order from LC or SLA mi$1.80, ph$1.80 61-15460

Trans. of "Elektrichestvo (USSR) 1959, no. 9, p. 1-5.

151652

(Engineering--Electrical, TT, v. 5, no. 8)

61-15460

1. Electric power production--Costs
2. Electrical networks--Synthesis
3. Mathematical computers--Scheduling

I. Kachanova, N. A.
II. Umed'yan, V. V.
III. CE Trans-1645
IV. DSIR LLU M. 2317
V. Central Electricity Generating Board (Gt. Brit.)

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Electric Technology USSR, 1960, Vol III.

RUSSIAN, per, Elektrichestvo, No 9, 1959, pp 13-20, 30-35, 72-73.

PP

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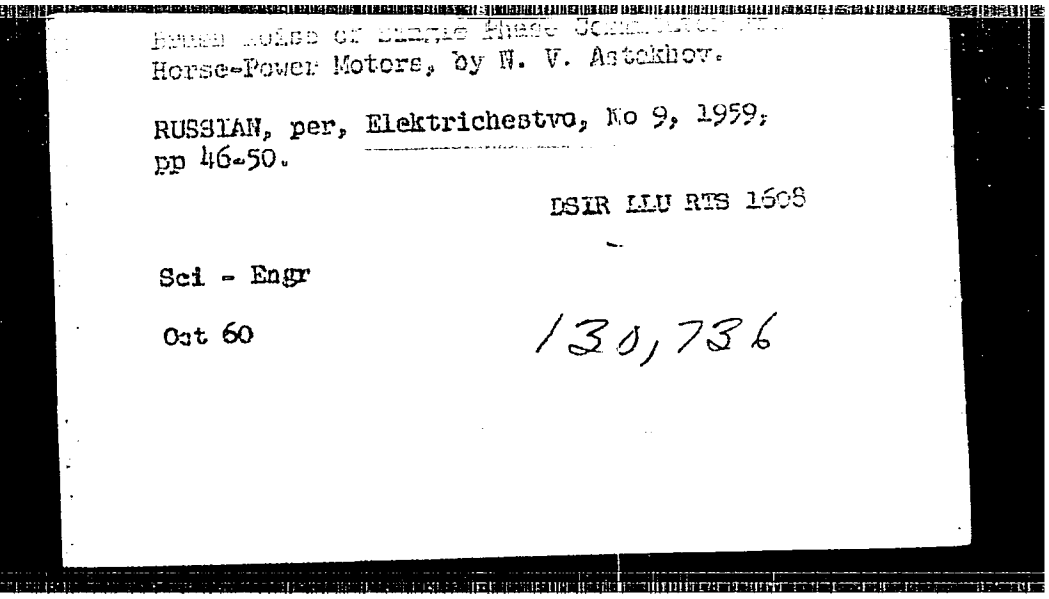

Horse-Power Motors, by N. V. Astakhov.

RUSSIAN, per, Elektrichestvo, No 9, 1959, pp 46-50.

DSIR LLU RTS 1608

Sci - Engr

Oct 60

130,736

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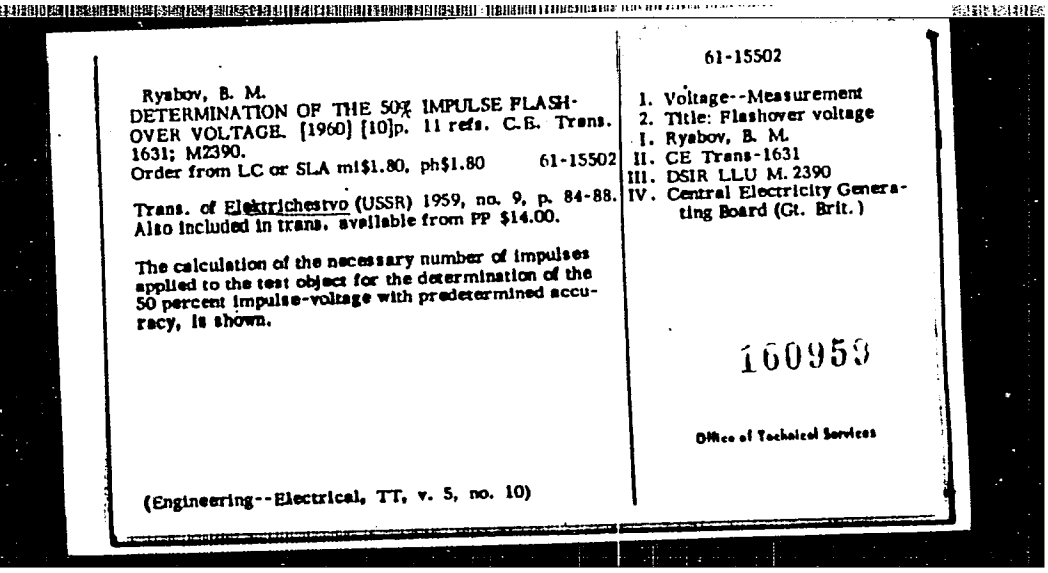

Ryabov, B. M.
DETERMINATION OF THE 50% IMPULSE FLASH-OVER VOLTAGE. [1960] [10]p. 11 refs. C.E. Trans. 1631; M2390.
Order from LC or SLA mi$1.80, ph$1.80 61-15502

Trans. of Elektrichestvo (USSR) 1959, no. 9, p. 84-88. Also included in trans. available from PP $14.00.

The calculation of the necessary number of impulses applied to the test object for the determination of the 50 percent impulse-voltage with predetermined accuracy, is shown.

(Engineering--Electrical, TT, v. 5, no. 10)

61-15502

1. Voltage--Measurement
2. Title: Flashover voltage
I. Ryabov, B. M.
II. CE Trans-1631
III. DSIR LLU M. 2390
IV. Central Electricity Generating Board (Gt. Brit.)

160959

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ELECTRIC TECHNOLOGY U. S. S. R., 1960.
VOL. 4, P. 505-673. Nov 60, 1v.
Order from PP $14.00, $56.00/year

Trans. of Elektrichestvo (USSR) 1959, no. 10, p. 21-33, 43-45, 56-62; no. 11, p. 27-31, 41-43, 56-60, 81; no. 12, p. 10-13 and 47-61. Abstracts are included of the papers which are not translated in full and also abstracts from nos. 3-5.

Consists of articles by V. S. Bayayev, M. P. Karasev, G. M. Kasprzhak, I. P. Kopylov, L. V. Maziya, S. A. Moygina, V. A. Naydis, M. N. Osokin, Ya. N. Shtrafun, N. S. Syunov, I. D. Urusov, and V. V. Yukhov.

(Engineering--Electrical, TT, v. 5, no. 3)

61-12187

1. Electrical engineering--USSR
2. Electrical engineering--Periodicals
I. Pergamon Press, Inc., New York

142,938

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300810035-8

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Urusov, I. D. and Podrez, V. M.
MODEL TESTS FOR DETERMINING THE RIGIDITY AND VIBRATION RESISTANCE OF ELECTRICAL STATOR FRAMES (Fizicheskoye Modelirovaniye Zhestkosti i Vibroystoichivosti Korpusa Statora Elektromashiny). Feb 61 [10]p. 3 refs. RTS 1609. Order from LC or SLA ml$2.40, ph$3.30 61-15916

Trans. of Elektrichestvo (USSR) 1959, no. 10, p. 43-47. Also included in translation available from PP $14.00.

The rigidity and resistance to vibration of stator frames in large turbogenerators can be determined by means of model tests. This was confirmed by comparing the results obtained on models and on large scale steel mockups of sections of the full scale frames. The error does not exceed 5%. Considerable divergence exists between the calculated and experimental rigidity and natural frequency values of frames with apertured transverse annular walls, the experimental values being smaller. The physical nature of the stress distribution was (Engineering--Electrical, TT, v. 5, no. 10) (over)

61-15916

1. Turbine stators--Model test results
2. Turbine stators--Mechanical properties
I. Urusov, I. D.
II. Podrez, V. M.
III. RTS-1609
IV. Department of Scientific and Industrial Research (Gt. Brit.)

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